FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
Accredited by NAAC

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15/

Date: 02-03-2015

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*:Asphalting to road from Ramachandrapura Cirle to Govt Toilet in Ward No.10 of Vidyaranyapure Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 27-02-2015

Sample supplied to lab by: Sri.Aswathnarayana Anjanappa, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Vidyaranyapure Sub-Division. BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**96.30**	95-100
26.50	**---**	-
22.40	**75.20**	60-80
11.20	**46.00**	40-60
4.75	**38.00**	25-40
2.36	**23.10**	15-30
0.600	**19.60**	8-22
0.075	**3.00**	0-8

*As Furnished by Client

The Results relate only to the items tested

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Campus
BANGALORE UNIVERSITY,
Bangalore-560 056.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆಂ. ಮ ಪಾ . ಬೆಂಗಳೂರು-97

4/3/2015

Dr. MANJESH .L
ME (Civil Engg .). Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail: manjeshl@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 02-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.10%**	Not more than 30 %
2	Impact Value	----,,----	**25.40%**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

DEPARTMENT OF CIVIL ENGINEERING BANGALORE UNIVERSITY

Dr. MANJESH .L
ME(Civil Engg.) Ph.D., MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University, Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: manjeshl@yahoo.com

FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
★ ★ ★ ★ ★
Accredited by NAAC

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15/ Date: 13-03-2015

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*:Asphalting to road from Ramachandrapura Cirle to Govt Toilet in Ward No.10 of Vidyaranyapure Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 10-03-2015

Sample supplied to lab by: Sri.Aswathnarayana Anjanappa, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Vidyaranyapure Sub-Division. BBMP, Bangalore.

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.07%**
2. **Gradation Test** :

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**97.90**	90—100
4.75	**43.80**	35—51
2.36	**34.50**	24—39
1.18	**20.70**	15—30
0.3	**17.60**	09—19
0.075	**4.60**	03—08

* As furnished by Client.
The Results relate only to the items tested.

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು.
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

13/3/2015
Dr. MANJESH .L
ME (Civil Engg .). Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail: manjeshl@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 13-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**22.90%**	Not more than 30 %
2	Impact Value	----,,----	**26.40 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.60%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**96.80 %**	Minimum retained coating 95.0 %

*As Furnished by Client

The Results relate only to the items tested.

DEPARTMENT OF CIVIL ENGINEERING * BANGALORE UNIVERSITY

Dr. MANJESH .L
ME(Civil Engg.) Ph.D., MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University, Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: manjeshl@yahoo.com